

REFERENCE

1. Abramovitz, A, Yao, J & Smedley, K, 2014 “Derivation of a family of high step-up tapped inductor SEPIC converters” IET Transaction on Electronics Letter, vol.50, no.22, pp 1626-1626.
2. Adhikari, N, Singh, B & Vyas, AL 2011, ‘Performance evaluation of low power solar PV energy system with SEPIC converter’, IEEE PEDS, Singapore, pp. 763-769.
3. Al-Saffar, MA, Ismail, EH , Sabzali, AJ & Fardoun, AA 2008, ‘An improved topology of SEPIC converter with reduced output voltage ripple’, IEEE Transactions on Power Electronics, vol. 23, no. 5, pp. 2377-2836.
4. Babaei, E & Seyed Mahmoodieh, M.E, 2014 “Analysis and investigation of energy transmission process in different operating modes of SEPIC converter” IET Power Electronics, vol. 7, no. 4, pp 819 – 828.
5. Babaei, E & Seyed Mahmoodieh, ME 2014, ‘Calculation of output voltage ripple and design considerations of SEPIC converter’, IEEE Transactions on Industrial Electronics, vol. 61, no.3 pp. 1213-1222.
6. Basilio, JC & Matos, SR 2002, ‘Design of PI and PID controllers with transient performance specification’ IEEE Transactions on Education, vol. 45, no. 4, pp. 364-370.
7. Chakraborty, S, Jain, AK & Mohan, N 2006, ‘A Novel converter topology for multiple individually regulated outputs’, IEEE Transactions on Power Electronics, vol. 21, no. 2, pp. 361-369.
8. Chen, M & Sun, J 2006, ‘Reduced-order averaged modeling of active-clamp converters’, IEEE Transactions on Power Electronics, vol. 21, no. 2, pp. 487-494.
9. Chiang, SJ, Shieh, HJ & Chen, MC 2009, ‘Modeling and control of PV charger system with SEPIC converter’, IEEE Transaction on Industrial Electronics, vol. 56, no. 11, pp. 4344-4353.

10. Chung, HSH, Tse, KK, Hui, SYR, Mok, CM & Ho, MT 2003, 'A Novel maximum power point tracking technique for solar panels using a SEPIC or Cuk converter', *IEEE Transactions on Power Electronics*, vol. 18, no. 3, pp. 717- 724.
11. Comines, P & Munro, N 2002, 'PID controllers: Recent tuning methods and design to specification', in *IEEE Proc. Control Theory Application*, vol. 149, no. 1, pp. 46-53.
12. Cosetin, MR, Luz, PCV, Bitencourt, EA, Silva, MFD, Bisogno, F, Alonso, JM & Prado, RND 2013, 'Off-Line Single-Stage SEPIC-Buck converter for dimmable LED lighting with reduced storage capacitor', *15th European Conference on Power Electronics and Applications (EPE)*, pp. 1-10.
13. De Melo, PF, Gules, R, Romaneli, EFR & Annunziato, RC 2010, 'A modified SEPIC converter for High-Power-Factor rectifier and universal input voltage applications', *IEEE transactions on Power Electronics*, vol. 25, no. 2, pp. 310-321.
14. De Nardo, A Femia, N, Petrone MN, G, and Giovanni, S 2008 'Power Stage Design of Fourth-Order DC–DC Converters by Means of Principal Components Analysis', *IEEE transactions on power electronics*, vol. 23, no. 6, pp 2867-2877.
15. Di Capua, G & Femia, N 2014, 'A critical investigation of coupled inductors SEPIC design issues', *IEEE transactions on Power Electronics*, vol. 61, no. 6, pp. 2724-2734.
16. Diaz, JF, Azcondo, FJ, Branäs, C, Casanueva, R & Zane, R 2010, 'Digitally controlled low-frequency square-wave electronic ballast with resonant ignition and power loop', *IEEE Transactions on Industry Applications*, vol. 46, no. 6, pp. 2222-2232.
17. Do, HL 2012, 'Soft-Switching SEPIC converter with ripple-free input current', *IEEE Transactions on Power Electronics*, vol. 27, no.6, pp. 2879-2887.
18. Eakburanawat, J & Boonyaroonate, I 2006, 'Development of a thermoelectric battery-charger with microcontroller-based maximum power point tracking technique', *Applied Energy*, vol. 83, pp. 687-704.

19. El Khateb,A, Rahim,NA, Selvaraj,J & Uddin,MN, 2014, “Fuzzy-Logic-Controller-Based SEPIC Converter for Maximum Power Point Tracking” IEEE Transactions On Industry Applications, vol. 50, no. 4, pp 2349-2358.
20. El Khateb, A, Rahim, NA, Selvaraj, J & Uddin, MN 2013, ‘Maximum power point tracking of single-ended primary-inductor converter employing a novel optimisation technique for proportional-integral-derivative controller’, IET Power Electronics, vol. 6, no. 6, pp. 1111-1121.
21. Elmas, C, Deperlioglu, O & Sayan, HH 2009, ‘Adaptive fuzzy logic controller for DC–DC converters’, Elsevier, Expert Systems with Applications no, pp. 1540-1548.
22. Esrarn, T & Chapman, PL 2007, ‘Comparison of photovoltaic array maximum power point tracking techniques’, IEEE Transactions on Energy Conversion, vol. 22, no. 2, pp. 439-449.
23. Ezhilarasi, A & Ramaswamy, M 2009, ‘A DSPIC implementation of a sliding mode strategy for a SEPIC converter’, SERBIAN Journal of Electrical Engineering, vol. 6, no.2, pp. 215-225.
24. Gules,R, Santos, WM, Reis, FA, Romaneli, EFR & Badin,AA ,2014, “A Modified SEPIC Converter With High Static Gain for Renewable Applications,” IEEE Transactions on Power Electronics, vol. 29, no. 11, pp 5860-5871.
25. Hren, A & Slibar, P 2005, ‘Full order dynamic model of SEPIC converter’, IEEE International Symposium on Industrial Electronics Proceedings, vol. 2, pp. 553-558.
26. Hu, J, Sagneri, AD, Rivas J.M, Han ,Y, Seth M. Davis & Perreault, DJ 2012, ‘High-frequency resonant SEPIC converter with wide input and output voltage ranges’, IEEE Transactions on Power Electronics, vol. 27, no. 1, pp. 189-200.
27. Jaafar, A, Alawieh, A, Ortega, R, Godoy, E & Lefranc, P 2013, ‘PI stabilization of power converters with partial state measurements’, IEEE Transactions on Control Systems Technology, vol. 21, no. 2, pp. 560-568.

28. Kalantar, M & Mousavi, GSM 2010, 'Posicast control within feedback structure for a DC–DC single ended primary inductor converter in renewable energy applications', *Applied Energy*, Elsevier, vol. 87, pp. 3110-3114.
29. Kanaan, HY & Al-Hadda, K ,2013, " Modeling and multi-loop feedback control design of a SEPIC power factor corrector in single-phase rectifiers" *Mathematics and Computers in Simulation*, vol. 91, pp 274-283.
30. Kessal, A & Rahmani, L 2014, 'Ga-Optimized parameters of sliding-mode controller based on both output voltage and input current with an application in the PFC of AC/DC converters', *IEEE Transactions on Power Electronics*, vol. 29, no. 6, pp. 3159-3165.
31. Kim, JW, Choi, HS & Cho, BH, Seni 2002, 'A Novel droop method for converter parallel operation', *IEEE transactions on power electronics*, vol. 17, no. 1, pp 25-32.
32. Kottas,TL, Boutalis,YS & Karlis,AD 2006, 'New Maximum Power Point Tracker for PV Arrays Using Fuzzy Controller in Close Cooperation With Fuzzy Cognitive Networks' *IEEE Transactions On Energy Conversion*, vol. 21, no. 3, pp.793-803.
33. Kudva, SS & Harjani, R 2013, 'Fully integrated capacitive DC–DC converter with all-digital ripple mitigation technique', *IEEE Journal of Solid-State Circuits*, vol. 48, no. 8, pp 1910-1920.
34. Kurokawa, F, Mizoguchi, T, Sukita, S & Osuga, H 2009, 'A new digital control for forward type multiple-output DC-DC converter', *IEEE Telecommunications Energy 31st International Conference, INTELEC*, pp. 1-5.
35. Kwon, JM, Choi, WY, Lee, JJ, Kim EH & Kwon, BH 2006 'Continuous-conduction-mode SEPIC converter with low reverse-recovery loss for power factor correction', *IEE Proc.-Electr., Power Appl.*, vol. 153, no. 5, pp. 673-681.
36. Lam, JCW, Hui, JCY & Jain, PK 2012, 'A dimmable high power factor single-switch electronic ballast for compact fluorescent lamps with incandescent phase-cut dimmers', *IEEE Transactions on Industrial Electronics*, vol. 59, no. 4, pp. 1879-1888.

37. Lee, HY, Liang,TJ, Chen, JF & Chen, KH 2014, 'Design and implementation of a bidirectional SEPIC-ZETA DC-DC converter', IEEE International Symposium on Circuits and Systems (ISCAS), pp. 101-104.
38. Li, Q , Dong, Y, Lee, FC & Gilham, DJ 2013, 'High-Density low-profile coupled inductor design for integrated point-of-load converters' IEEE Transactions on Power Electronics, vol. 28, no. 1, pp. 547-554.
39. Mahdavi, J, Nasiri, MR, Agah, A & Emadi, A 2005 'Application of neural networks and state-space averaging to DC/DC PWM converters in sliding-mode operation' IEEE/ASME Transactions on Mechatronics, vol. 10, no. 1, pp. 60-67.
40. Mamarelis, E, Petrone, G & Spagnuolo, G 2014, 'Design of a sliding-mode-controlled SEPIC for PV MPPT applications', IEEE Transactions on Industrial Electronics, vol. 61, no. 7, pp. 3387-3398.
41. Mazumder, SK, Tahir, M & Acharya, K 2008 , 'Master–Slave Current-Sharing control of a parallel DC–DC converter system over an RF communication interface', IEEE Transactions on Industrial Electronics, vol. 55, no. 1, pp. 59-66.
42. Nasirian,V, Karimi,Y, Davoudi, A, Zolghadri, M, R, Ahmadian, M & Moayedi, S, 2013, ' Dynamic Model Development and Variable Switching-Frequency Control for DCVM cuk Converters in PFC Applications, IEEE transactions on industry applications, vol. 49, no. 6, pp 2636-2650.
43. Ogata, K, 'Modern control engineering' 2002, Published by Prentice – Hall of India Private Limited, New Delhi, Third Edition, Chap 9.
44. Park, KB, Moon, GW & Youn, MJ 2010, 'Nonisolated high step-up boost converter integrated with sepic converter', IEEE Transactions on Power Electronics, vol. 25, no. 9, pp. 2266-2275.
45. Perez , M, Ortega, R & Espinoza, JR 2004, 'Passivity-based PI control of switched power converters', IEEE Transactions on Control Systems Technology, vol. 12, no. 6, pp. 881-890.

46. Perry, AG, Feng G, Liu, YF & Sen, PC 2007, 'A design method for pi-like fuzzy logic controllers for DC–DC converter' IEEE Transactions on Industrial Electronics, vol. 54, no. 5, pp. 2688-2696.
47. Ruan, X, Chen, W, Cheng, L, Tse, CK, Yan, H & Zhang, T 2009 'Control strategy for input-series–output-parallel converters', IEEE Transactions on Industrial Electronics, vol. 56, no. 4, pp 1174-1185.
48. Sabzali, AJ, Ismail, EH, & Behbehani, HM 2014, 'High voltage step-up integrated double Boost-SEPIC DC-DC converter for fuel-cell and photovoltaic applications', Elsevier, Renewable Energy pp. 1-10.
49. Salimi, A & Delshad, M 2012, 'Fuzzy logic based sliding mode controlled for active clamp SEPIC converter', International Review on Modelling & Simulations, vol. 5, no. 3, P. 1196.
50. Song, MP, Son, YD & Lee, KH 2014, 'A non-isolated bidirectional soft-switching SEPIC/ZETA converter with reduced ripple currents', Journal of Power Electronics, vol. 14, no. 4. pp, 649-660.
51. Sosa, JL, Castilla, M, Miret J, Vicuna, L, G & Moreno, LS 2012, 'Sliding-Mode Input–Output Linearization controller for the DC/DC ZVS CLL-T resonant converter', IEEE Transactions on Industrial Electronics, vol. 59, no. 3, pp. 1554-1564.
52. Tan, SC, Lai, YM & Tse, CK 2006, A unified approach to the design of PWM-based sliding-mode voltage controllers for basic DC-DC converters in continuous conduction mode', IEEE Transactions on Circuits and Systems—I, vol. 53, no. 8, pp. 1816-1827.
53. Tan, SC, Lai, YM & Tse, CK 2008, 'General design issues of sliding-mode controllers in DC–DC converters', IEEE Transactions on Industrial Electronics, vol. 55, no. 3 pp. 1160-1174.
54. Tan, SC, Lai, YM, Tse, CK, Salamero, LM & Wu, CK 2007, 'A fast-response sliding-mode controller for boost-type converters with a wide range of operating conditions', IEEE Transactions on Industrial Electronics, vol. 54, no. 6, pp. 3276-3286.
55. Tsang, KM & Chan, WL 2012, 'Fast acting regenerative DC electronic load based on a SEPIC converter', IEEE, Transactions on Power Electronics, vol. 27, no. 1, pp. 269-275.

56. Tse, KK, Ho, MT, Chung, HSH & Hui, SYR 2002, 'A novel maximum power point tracker for PV panels using switching frequency modulation', *IEEE Transactions on Power Electronics*, vol. 17, no. 6, pp. 980-989.
57. Veerachary, M 2005, 'Power tracking for nonlinear pv sources with coupled inductor SEPIC converter', *IEEE Trans on Aerospace and Electronic Systems*, vol. 41, no. 3, pp. 1019-1029.
58. Veerachary, M 2009, 'Buck-integrated SEPIC converter for photovoltaic power conversion' *Proceedings of the IEEE Telecommunications Energy 31st International Conference, Incheon . INTELEC* , pp 1-5.
59. Veerachary, M, Senjyu, T & Uezato,K, 2003 'Neural-network-based maximum-power-point tracking of coupled-inductor interleaved-boost-converter-supplied pv system using fuzzy controller', *IEEE Transactions on Industrial Electronics*, vol. 50, no. 4, pp. 749-758.
60. Viswanathan, K, Oruganti, R & Srinivasan, D 2005, 'Nonlinear function controller: A simple alternative to fuzzy logic controller for a power electronic converter', *IEEE Transactions on Industrial Electronics*, vol. 52, no. 5, pp. 1439-1448.
61. Wai, RJ & Shih, LC 2012, 'Adaptive fuzzy-neural-network design for voltage tracking control of a DC-DC boost converter', *IEEE Transactions on Power Electronics*, vol. 27, no. 4, pp. 2104-2115.
62. Williams, BW 2014, 'Generation and analysis of canonical switching cell DC-to-DC converters' *IEEE Transactions on Industrial Electronics*, vol. 61, no. 1, pp. 329-346.
63. Wu, TF & Yu, TH 1998, 'Unified approach to developing single-stage power converters', *IEEE Transactions on Aerospace and Electronic Systems*, vol. 34, no. 1, pp. 211-223.
64. Wu, TF, Chang, CH & Chen, YK 2000, 'A Fuzzy Logic Controlled Single-Stage Converter For PV Powered Lighting System Applications', *IEEE Trans*, vol. 47, no. 2, pp. 287-296.
65. Wu,TF & Liang, SA 2001, 'A Systematic Approach to Developing Single-Stage Soft Switching PWM Converters', *IEEE Transactions on Power Electronics*, vol. 16, no. 5, pp. 581-593.

66. Wu,TF, Lai, YS, Hung, JC & Chen, YM 2008, 'Boost Converter With Coupled Inductors and Buck boost Type of Active Clamp', IEEE Transactions on Industrial Electronics, vol. 55, no. 1, pp. 154-162.
67. Yang, LS, Liang,TJ, Lee, HC & Chen,JF 2011, 'Novel High Step-Up DC-DC Converter With Coupled-Inductor and Voltage-Doubler Circuits', IEEE Transactions On Industrial Electronics, vol. 58, no. 9, pp. 4196-4206.
68. Yu, SY & Kwasinski, A 2013, 'Analysis Of Soft-Switching Isolated Time-Sharing Multiple-Input Converters For DC Distribution Systems', IEEE Transactions on Power Electronics, vol. 28, no. 4, pp. 1783 - 1794.
69. Zhao, Y, Qiao, W & Ha, D 2014, 'A Sliding-Mode Duty-Ratio Controller For DC/DC Buck Converters With Constant Power Loads', IEEE Transactions On Industry Applications, vol. 50, no. 2, pp. 1448-1458.